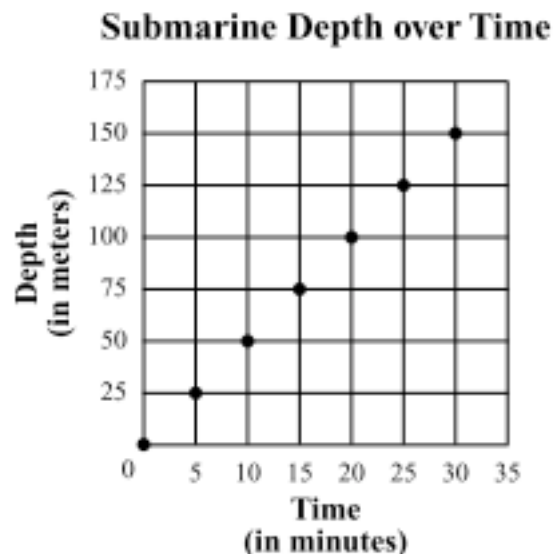


Directions: Must show work or write a sentence stating why you chose the answer you picked.

1. The radius of a circle is 16 cm. What is the area, in square centimeters, of the circle?

a. 16π b. 804π c. 32π d. 256π

2. The graph below represents the depth, in meters, that a submarine dove over time.



The submarine started diving at 6:45am. Based on the graph, what time did the submarine reach a depth of 125 meters?

a. 7 am b. 7:10am c. 7:15am d. 7:30am

3. The line connecting points (4, -3), (-3, -3), and (-8, -3) is

a. vertical line b. horizontal line c. diagonal line d. curved line

4. The table below shows the relationship between the number of a term in a pattern and the value of that term. The same rule is used to find the value of the term in each row.

Term Number	Value of Term
1	4
2	6
3	8
4	10
N	??

- a. $2n + 2$ b. $n + 3$ c. $2n + 1$ d. $6n - 2$

5. The list below show the interest rates for mortgages at 4 different banks.

3.6% $3\frac{1}{5}\%$ 3.3% $3\frac{4}{5}\%$ $3\frac{1}{2}\%$

Write them so they are in order from the lowest mortgage rate to the highest mortgage rate.